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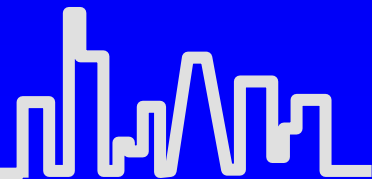
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Chicago District

Aquatic Nuisance Species Dispersal Barriers

Roy Deda

May 4, 2004

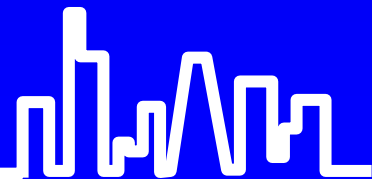




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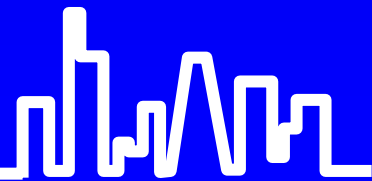
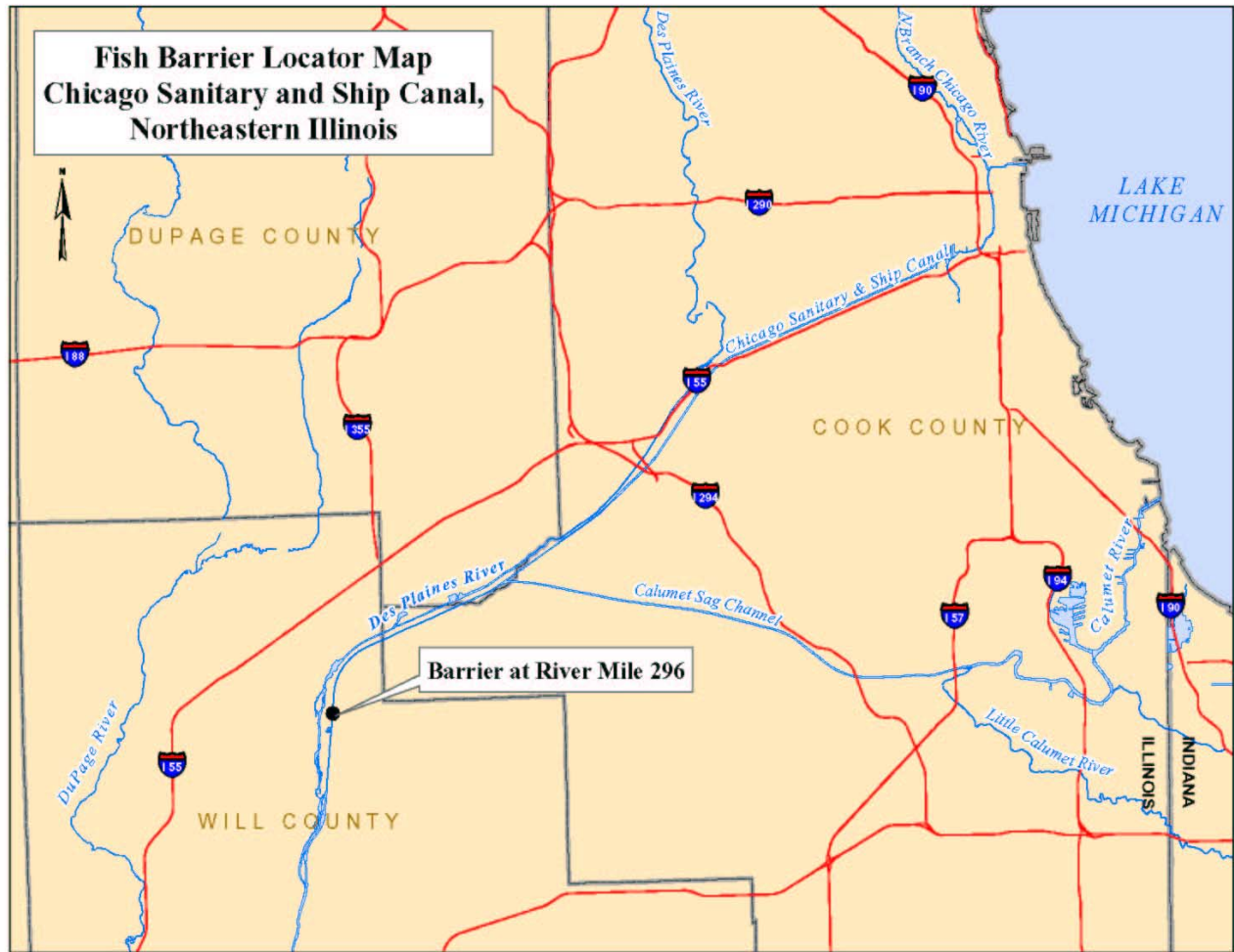
Dispersal Barrier Projects

- Demonstration Barrier
 - National Invasive Species Act
- Permanent Barrier
 - Section 1135, WRDA 1986





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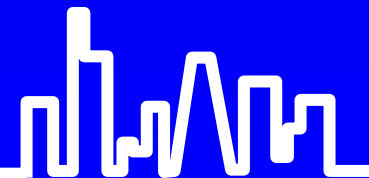
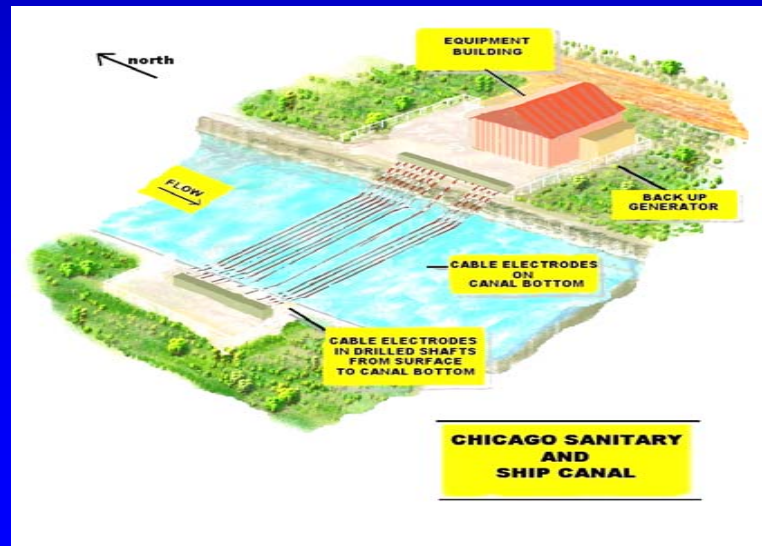




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Demonstration Barrier Status

- o Continuous Operation Since April 2003
- o Monitoring of Fish Movement Ongoing
- o Field Effect Study Completed

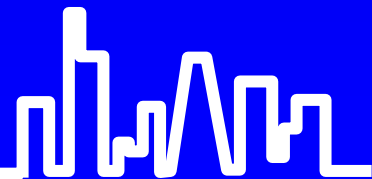




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Demonstration Barrier Issues

- o Barge Traffic Impacts Electric Field
- o May Not Be As Effective for Small Fish
- o End of Design Life (3 – 5 Years)
Approaching
- o Will Operate at Least Until Permanent
Barrier is On-Line





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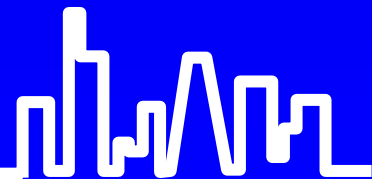
Demonstration Barrier Issues

- o Will the Demonstration Barrier Become Permanent?

Would Require Upgrades

Currently No Federal Authority

Being Pursued in WRDA, NAISA, and FY05
Appropriations Proposals

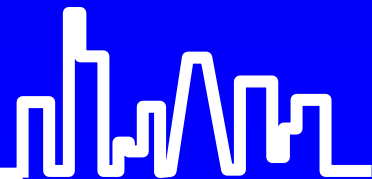




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Permanent Barrier Design

- o Two Sets of Identical Electrode Arrays for Redundancy
- o Spacing of Electrode Arrays in Each Set Adjusted to Eliminate Barge Effects
- o Subset of High Voltage Electrodes in Each Set to Deter Small Fish





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Permanent Barrier Funding

- o Earlier Federal Funding Concerns Due to Section 1135 Program Ceiling
- o Now Have Commitment of Full Federal Funding Up to \$5 Million Limit
- o #1 National 1135 Priority
- o #2 National 1135 Priority = Sea Lamprey Barriers in Great Lakes Tributaries

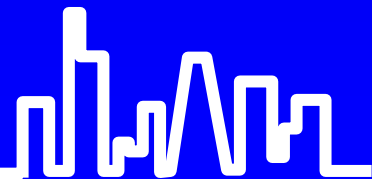




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Permanent Barrier Schedule

- o Design Completion in Early June
- o Construction Start by June 30
- o Construction Completion by September 30

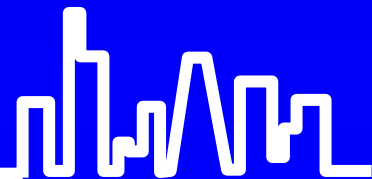




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Future Barrier System

- Permanent Barrier to be Responsibility of State of Illinois
- If Demonstration Barrier Made Permanent, Need to Identify Agency/Sponsor for Long-Term Operation & Maintenance
- Logical for Both Barriers to Be Managed as a Single Entity





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For More Information

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